

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/624,714A

CRF Edit Date: 1/5/05
Edited by: [Signature]

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

1 Deleted: 1 invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFW16

RAW SEQUENCE LISTING

DATE: 01/05/2005

PATENT APPLICATION: US/10/624,714A

TIME: 11:06:35

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01052005\J624714A.raw

3 <110> APPLICANT: Keim, Paul S.
 4 Spurgiesz, Robert S.
 5 Schupp, James M.
 7 <120> TITLE OF INVENTION: A High Resolution Typing System for Pathogenic Mycobacterium
 Tuberculosis
 9 <130> FILE REFERENCE: 112624.00085 (130588.91451)
 11 <140> CURRENT APPLICATION NUMBER: US 10/624,714A
 12 <141> CURRENT FILING DATE: 2003-07-21
 14 <150> PRIOR APPLICATION NUMBER: US 60/397,224
 15 <151> PRIOR FILING DATE: 2002-07-19
 17 <160> NUMBER OF SEQ ID NOS: 27
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 27
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
 29 <400> SEQUENCE: 1
 30 gtcgaacgag actttcccca aaccgac 27
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 24
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
 41 <400> SEQUENCE: 2
 42 gaccgtgggc tggatgacgg tctc 24
 45 <210> SEQ ID NO: 3
 46 <211> LENGTH: 26
 47 <212> TYPE: DNA
 48 <213> ORGANISM: Artificial Sequence
 50 <220> FEATURE:
 51 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
 53 <400> SEQUENCE: 3
 54 gatgacggat cgtcgggggc gggaac 26
 57 <210> SEQ ID NO: 4
 58 <211> LENGTH: 30
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Artificial Sequence
 62 <220> FEATURE:
 63 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
 65 <400> SEQUENCE: 4
 66 gcaacgcgag ggcgatcagt actgccaaca 30

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69 <210> SEQ ID NO: 5
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71 <212> TYPE: DNA
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
77 <400> SEQUENCE: 5
78 gctgtggcgc agctacacag tacgactc 28
81 <210> SEQ ID NO: 6
82 <211> LENGTH: 21
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
89 <400> SEQUENCE: 6
90 gattgcgag cgcccaacag c 21
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 24
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
101 <400> SEQUENCE: 7
102 ggaggcggtg ggtacggtcg catc 24
105 <210> SEQ ID NO: 8
106 <211> LENGTH: 26
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
113 <400> SEQUENCE: 8
114 gattcgagc cggactactt ctgggt 26
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 24
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
125 <400> SEQUENCE: 9
126 cgccgacgag gccgatgccg aagc 24
129 <210> SEQ ID NO: 10
130 <211> LENGTH: 25
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
137 <400> SEQUENCE: 10
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141 <210> SEQ ID NO: 11

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Input Set : A:\PTO.AMC.txt

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146 <220> FEATURE:
147 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
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150 cgaggcgccc agccccacaa                20
153 <210> SEQ ID NO: 12
154 <211> LENGTH: 27
155 <212> TYPE: DNA
156 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
159 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
161 <400> SEQUENCE: 12
162 caccgcgcgt ttaggatcga cacctga        27
165 <210> SEQ ID NO: 13
166 <211> LENGTH: 20
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
173 <400> SEQUENCE: 13
174 gcgccgcacc acctcgactt                20
177 <210> SEQ ID NO: 14
178 <211> LENGTH: 22
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
185 <400> SEQUENCE: 14
186 ccgggcaaaa cctccgccta ac              22
189 <210> SEQ ID NO: 15
190 <211> LENGTH: 26
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
197 <400> SEQUENCE: 15
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202 <211> LENGTH: 19
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
209 <400> SEQUENCE: 16
210 gtcgacgccg ccgatgacc                19
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 25

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215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
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225 <210> SEQ ID NO: 18
226 <211> LENGTH: 30
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Mycobacterium tuberculosis primer
233 <400> SEQUENCE: 18
234 tggcgcagaa ccaggagtag caccaatgag 30
237 <210> SEQ ID NO: 19
238 <211> LENGTH: 379
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Mycobacterium tuberculosis amplicon
245 <400> SEQUENCE: 19
246 ggctcgggcc tgccgtcgga catctggaag gcaaccatgg acggcgcctt gaagggcacg 60
248 tcgaacgaga ctttcccaa accgaccgag gtcggtggtt atgccggtgt gccgccgccg 120
250 ccgccgccgc cggaggtacc accttcgcag accgtcatcc agcccacggt cgaaattgcg 180
252 ccggggatta ccatcccgat cgggtccccc accaccatta ccctggcgcc accgcccccg 240
254 gccccgcccc ctgcgactcc cacgccgccg ccgtgaccgg cgcgctgtcc caaagcagca 300
256 acatctcgcc acttcctttg gccgccgatc tgccggagcgc cgataaccgc gattgcccc 360
258 gccgcaccga cgtattggg 379
261 <210> SEQ ID NO: 20
262 <211> LENGTH: 352
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Mycobacterium tuberculosis amplicon
269 <400> SEQUENCE: 20
270 gcgagcctac cgaagatcgc gtgcatgcgt tcggcgtgga ccgcacagca cctggagttg 60
272 gcggcgccga gggccgagat ggcaggatga ccgatcgtcg ggggcgggaa ctcccaggcc 120
274 gccgggccgt cgcaaaccgc tcgcaaacc gtcgcaaacc gtaaggagtc atccatgaag 180
276 acaggcaccg cgacgacgcg gcgcaggctg ttggcagtag tgatcgccct cgcgttgccg 240
278 ggggcgcgcg ttgcgtgctt ggccgaacca tcagcgaccg gcgcgtcgga cccgtgcgcg 300
280 gccagcgaag tggcgaggac ggtcggttcg gtcgccaagt cgatgggcga ct 352
283 <210> SEQ ID NO: 21
284 <211> LENGTH: 512
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Mycobacterium tuberculosis amplicon
291 <400> SEQUENCE: 21
292 attcaggccg ccgaatccac taccgatgat gaccacgcga tggcgcccgc cgacggccga 60

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294 ggggttcacca gatgagagcg tcatggtcct ccttcagtct ggtcgctgtg gcgcagctac      120
296 acagtacgac tcccgatcat ccaacggcgt aactttttgt gggccttgtg ggccttgtgg      180
298 gccttgtggg cctttgtcgg gccgccttcg gatcggacgc tcgggatggc tgttgggccc      240
300 tgcgcaatcc cgcgcttcga tcaggcagcg tccggcagtg ccatcaatgg cggccaggta      300
302 cacctctccg acggctcgac atcgccggcc cggcagttac ctgcaccatg gccgggcat      360
304 gcgggagcgg ctgccgaagg tcgggcaggt gtttgcgtcc ggggaaatcg actaccacat      420
306 gtttcagacg ttggtgtatc gcaccgattt gatcaccgac ccgcaggtgt tggcgcgggg      480
308 ggatgccgag ctggcgctgc gggcgcgggg ct                                         512
311 <210> SEQ ID NO: 22
312 <211> LENGTH: 476
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Mycobacterium tuberculosis amplicon
319 <400> SEQUENCE: 22
320 agccagcaga gcttcgagga agtgctggcg cgcgccgaag gctacgtgga ccaggcgggt      60
322 gagttgaccc aggagcggtt gggtagcggt gcacgcgaga cccgcgcggg cggtgagcgt      120
324 gccgccaaagc tggtcggcat cgagctgcct aagaaggctg ctccggccaa gaaggccgct      180
326 ccggccaaaga aggcgctcc ggccaagaag gcggcgccca agaaggcgcc cgcgaagaag      240
328 gcgggcgccca agaaggtcac ccagaagtag tcgggctccg aatcaccatc gactccgagt      300
330 cgcacacggg gcgactcgga gtcgacgtgt tggatgcaaa ccgcatagtc tgaatgcgtg      360
332 agccacctcg tgggtaccgt catgctggta ttgctggtcg ccgtcttggg gacagcgggt      420
334 tacgcgtttg tgcgtctgc gttgcagcgg ccgcatgcct ataccgccgc cgacaa         476
337 <210> SEQ ID NO: 23
338 <211> LENGTH: 551
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: Mycobacterium tuberculosis amplicon
345 <400> SEQUENCE: 23
346 gcagaccgca ggtgccgacg agccggacta cttagacgtc gatgtggctg aagaagactc      60
348 ggaggcgctt ccggtggggg ctggcgctgc ggtcggcgag tccgccgacg aggccgatgc      120
350 cgaagctgct gacggagtgt cgggccacgc cgaccggag gccgaccggc tcgaatacga      180
352 atacgaatac gaatacgtcg aggacacctg cggtttggag ctcgaggagg acgaccagga      240
354 agcgccaccg accgtcgcat ccggcacgtc acggcgggcg cgattcgaca ccaagaccgc      300
356 cgccgcggtc agcgcccga agtacacctt ccgcaaactg gcgttgatcg tgatggcggt      360
358 gatcctggtt ggctctgccg ccggggcctt cgagctgacc ccggtcgctg ggtggatctg      420
360 tggtagcgcc accggtgtga cgggtgctta cctggcataa ttgcgtcggc aaaccgcgat      480
362 cgaggagaag gtgcgtcggc ggcggatgca gcggatcgcg cgggcgcggc tcggtgtaga      540
364 gaacaccgt g                                         551
367 <210> SEQ ID NO: 24
368 <211> LENGTH: 355
369 <212> TYPE: DNA
370 <213> ORGANISM: Artificial Sequence
372 <220> FEATURE:
373 <223> OTHER INFORMATION: Mycobacterium tuberculosis amplicon
375 <400> SEQUENCE: 24
376 atccttgacg gtgttcgggt gtgacggctg tgttgcggc ggcttccagg cgcaaccgga      60
378 ggcgcccagc cccacaatca gtgccaacag tgccaacagt gccaacagt ccagaatcgg      120

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/624,714A

DATE: 01/05/2005
TIME: 11:06:36

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01052005\J624714A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 7

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/624,714A

DATE: 01/05/2005

TIME: 11:06:36

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01052005\J624714A.raw